Rec'd PCT/PTO 18 APR 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



. (CONTRACTOR DE CONTRACTOR CONTRACTOR CONTRACTOR (CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CO

(43) International Publication Date 29 April 2004 (29.04.2004)

PCT

(10) International Publication Number WO 2004/035375 A1

(51) International Patent Classification⁷: E21B 17/01, 43/013

B63B 21/50,

(21) International Application Number:

PCT/NL2003/000695

(22) International Filing Date: 15 October 2003 (15.10.2003)

(25) Filing Language:

English

(26) Publication Language:

CH-1723 Marly (CH).

English

(30) Priority Data: 02079288.3

16 October 2002 (16.10.2002) El

(71) Applicant (for all designated States except US): SINGLE BUOY MOORINGS INC. [CH/CH]; 5, route de Fribourg,

(72) Inventors; and

(75) Inventors/Applicants (for US only): POLLACK, Jack [US/US]; 14855 Memorial Drive 2112, Houston, TX 77079 (US). POLDERVAART, Leendert [NL/FR]; 92, Les Hautes de Monte-Carlo, F-06320 La Turbie (FR).

(74) Agents: VAN WESTENBRUGGE, Andries et al.; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

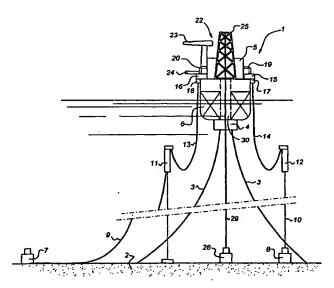
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RISER INSTALLATION VESSEL AND METHOD OF USING THE SAME



(57) Abstract: The invention relates to a vessel (1) for exploration of hydrocarbons. The vessel comprises one or more risers (13, 14) extending from the vessel to the seabed, a hydrocarbon processing unit (5) connected to the one or more risers and to a storage or transport structure (6) for storing the processed hydrocarbons. The vessel is anchored to the seabed, the vessel comprising a lifting means (22) for lowering risers vertically towards the sea bed and for connecting a riser with a first end to a subsea hydrocarbon structure (7), which riser comprises a connector (18) on a second end, the vessel comprising a connector (16) for attaching to the riser connector and for placing the riser in fluid connection with the processing unit.